

From: "Zhen, Davis"  
To: "Coffey, Scott" <CoffeySE@cdmsmith.com>  
"Young, Howard S." <younghs@cdmsmith.com>  
CC: "Sheldrake, Sean" <sheldrake.sean@epa.gov>  
Date: 3/20/2018 8:24:40 AM  
Subject: FW: Follow-up on QAPP comments  
Attachments: [EPA summation rules in QAPP\\_to EPA 3-19-18.docx](#)

---

Thanks,

\*\*\*\*\*  
Davis Zhen  
Environmental Cleanup Unit 2  
Office of Environmental Cleanup  
1200 Sixth Avenue Suite 900  
M/S ECL – 122, Seattle, WA 98101  
Tel: (206) 553-7660  
Cell: (206) 437-5826  
\*\*\*\*\*

---

From: Tyrrell, Ken [mailto:ken.tyrrell@aecom.com]  
Sent: Monday, March 19, 2018 6:08 PM  
To: Zhen, Davis <Zhen.Davis@epa.gov>  
Subject: Follow-up on QAPP comments

Davis,

We appreciated the technical discussion about the QAPP as it helped to resolve a number of issues as shown on the table below.

We continue to have some questions about the summation rules for PCBs, PAHs, and dioxin/furans as listed in EPA's Dec 2017 memo. We have prepared the attached document that includes our questions and offers a few comments about the summation memo. Getting answers to the questions will assist us to finalize the QAPP.

Also, the EPA summation memo references data tables that we don't have – can you please provide the tables or send a link?

One of our other action items was to consider the sentence associated with comment #25 regarding data replacement for SMAs, after further consideration we will delete the sentence.

As there remain a few outstanding issues, this is a formal request to extend the due date for the QAPP until March 23 (from the currently scheduled date of March 21).

In summary:

Key Comment	Resolution / Path Forward
Comment 4, 19, 20	Resolved, reference back to the ASAOC WP
Comment 6	Send follow-up email with questions regarding data summation rules
Comment 25	Resolved, sentence will be deleted.

**Ken Tyrrell**

Executive Vice President

Project Coordinator – Portland Harbor

Design and Consulting Services Group

M +281-224-2793

[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)

**AECOM**

1111 Third Avenue

Seattle, WA 98101

T +206-438-2700

[www.aecom.com](http://www.aecom.com)